

2

96700-1146 seq list.ST25.txt
SEQUENCE LISTING

<110> ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY
MELNICK, Ari M.
LICHT, Jonathan D.
PRIVE, Gilbert G.
AHMAD, Khaja Farid

<120> METHODS AND COMPOSITIONS FOR INHIBITION OF BCL6 REPRESSION

<130> 96700/1146

<140> PCT/US2004/042418
<141> 2004-12-16

<150> US 60/530,102
<151> 2003-12-16

<160> 34

<170> PatentIn version 3.3

<210> 1
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1

Leu Val Ala Thr Val Lys Glu Ala Gly Arg Ser Ile His Glu Ile Pro
1 5 10 15

Arg

<210> 2
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2

Gly Ile Thr Thr Ile Lys Glu Met Gly Arg Ser Ile His Glu Ile Pro
1 5 10 15

Arg

<210> 3
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3

Tyr Arg Ser Glu Ile Ile Ser Thr Ala Pro Ser Ser Trp Val Val Pro
1 5 10 15

96700-1146 seq list.ST25.txt

Gly

<210> 4
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 4

Gly Leu Val Ala Thr Val Lys Glu Ala Gly Arg Ser Ile His Glu Ile
 1 5 10 15

Pro Arg Glu Glu Leu
 20

<210> 5
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 5

Asp Gly Ile Thr Thr Ile Lys Glu Met Gly Arg Ser Ile His Glu Ile
 1 5 10 15

Pro Arg Gln Asp Ile
 20

<210> 6
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 6

Ile Tyr Arg Ser Glu Ile Ile Ser Thr Ala Pro Ser Ser Trp Val Val
 1 5 10 15

Pro Gly Pro Ser Pro
 20

<210> 7
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 7

Gly Leu Val Ala Thr Val Lys Glu Ala Gly Arg Ser Ile His Glu Ile
 1 5 10 15

Pro Arg Glu Glu Leu Arg His Thr Pro Glu Leu Pro Leu
 20 25

96700-1146 seq list.ST25.txt

<210> 8
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 8

Asp Gly Ile Thr Thr Ile Lys Glu Met Gly Arg Ser Ile His Glu Ile
 1 5 10 15

Pro Arg Gln Asp Ile Leu Thr Gln Glu Ser Arg Lys Thr
 20 25

<210> 9
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 9

Ile Tyr Arg Ser Glu Ile Ile Ser Thr Ala Pro Ser Ser Trp Val Val
 1 5 10 15

Pro Gly Pro Ser Pro Asn Glu Glu Asn Asn Gly Lys
 20 25

<210> 10
 <211> 17
 <212> PRT
 <213> Artificial

<220>
 <223> consensus sequence

<220>
 <221> MISC_FEATURE
 <222> (1)..(1)
 <223> amino acid residue is Leu, Gly, or Tyr

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> amino acid residue is Val, Ile, or Arg

<220>
 <221> MISC_FEATURE
 <222> (3)..(3)
 <223> amino acid residue is Ala, Thr, or Ser

<220>
 <221> MISC_FEATURE
 <222> (4)..(4)
 <223> amino acid residue is Thr or Glu

<220>
 <221> MISC_FEATURE
 <222> (5)..(5)

<223> amino acid residue is Val or Ile

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> amino acid residue is Lys or Ile

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> amino acid residue is Glu or Ser

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> amino acid residue is Ala, Met, or Thr

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> amino acid residue is Gly or Ala

<220>

<221> MISC_FEATURE

<222> (10)..(10)

<223> amino acid residue is Arg or Pro

<220>

<221> MISC_FEATURE

<222> (12)..(12)

<223> amino acid residue is Ile or Ser

<220>

<221> MISC_FEATURE

<222> (13)..(13)

<223> amino acid residue is His or Trp

<220>

<221> MISC_FEATURE

<222> (14)..(14)

<223> amino acid residue is Glu or Val

<220>

<221> MISC_FEATURE

<222> (15)..(15)

<223> amino acid residue is Ile or Val

<220>

<221> MISC_FEATURE

<222> (17)..(17)

<223> amino acid residue is Arg or Gly

<400> 10

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Xaa Xaa Xaa Xaa Pro
1 5 10 15

Xaa

<210> 11

96700-1146 seq list.ST25.txt

<211> 129
<212> PRT
<213> Homo sapiens

<400> 11

Met Ala Ser Pro Ala Asp Ser Cys Ile Gln Phe Thr Arg His Ala Ser
1 5 10 15
Asp Val Leu Leu Asn Leu Asn Arg Leu Arg Ser Arg Asp Ile Leu Thr
20 25 30
Asp Val Val Ile Val Val Ser Arg Glu Gln Phe Arg Ala His Lys Thr
35 40 45
Val Leu Met Ala Cys Ser Gly Leu Phe Tyr Ser Ile Phe Thr Asp Gln
50 55 60
Leu Lys Cys Asn Leu Ser Val Ile Asn Leu Asp Pro Glu Ile Asn Pro
65 70 75 80
Glu Gly Phe Cys Ile Leu Leu Asp Phe Met Tyr Thr Ser Arg Leu Asn
85 90 95
Leu Arg Glu Gly Asn Ile Met Ala Val Met Ala Thr Ala Met Tyr Leu
100 105 110
Gln Met Glu His Val Val Asp Thr Cys Arg Lys Phe Ile Lys Ala Ser
115 120 125

Glu

<210> 12
<211> 127
<212> PRT
<213> Artificial

<220>
<223> synthetic mutant

<400> 12

Gly Ser Ala Asp Ser Gln Ile Gln Phe Thr Arg His Ala Ser Asp Val
1 5 10 15
Leu Leu Asn Leu Asn Arg Leu Arg Ser Arg Asp Ile Leu Thr Asp Val
20 25 30
Val Ile Val Val Ser Arg Glu Gln Phe Arg Ala His Lys Thr Val Leu
35 40 45

96700-1146 seq list.ST25.txt

Met Ala Cys Ser Gly Leu Phe Tyr Ser Ile Phe Thr Asp Gln Leu Lys
50 55 60

Arg Asn Leu Ser Val Ile Asn Leu Asp Pro Glu Ile Asn Pro Glu Gly
65 70 75 80

Phe Asn Ile Leu Leu Asp Phe Met Tyr Thr Ser Arg Leu Asn Leu Arg
85 90 95

Glu Gly Asn Ile Met Ala Val Met Ala Thr Ala Met Tyr Leu Gln Met
100 105 110

Glu His Val Val Asp Thr Cys Arg Lys Phe Ile Lys Ala Ser Glu
115 120 125

<210> 13
<211> 93
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide for plasmid construction

<400> 13
catggctggt ggccacggtg aaggaggcgg gccgctccat ccatgagatc ccgcgcgagg 60
agctgcggca cacgcccag ctgcccctgg ccc 93

<210> 14
<211> 93
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide for plasmid construction

<400> 14
tcgagggcca ggggcagctc gggcgtgtgc cgcagctcct cgcgcgggat ctcattgatg 60
gagcggcccg cctccttcac cgtggccacc agc 93

<210> 15
<211> 93
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide for plasmid construction

<400> 15
catggctggt ggccacggtg aaggaggcgg gccgctccat ccatgcagct gcagctgagg 60
agctgcggca cacgcccag ctgcccctgg ccc 93

96700-1146 seq list.ST25.txt

<210> 16
<211> 93
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide for plasmid construction

<400> 16
tcgagggcca ggggcagctc gggcgtgtgc cgcagctcct cagctgcagc tgcattggatg 60
gagcggcccg cctccttcac cgtggccacc agc 93

<210> 17
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 17
catcctgggc cattacctta 20

<210> 18
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 18
tctctctctg catcttgggg 20

<210> 19
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 19
gactctgaag agccacctgc 20

<210> 20
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 20
ctggcttttg tgacggaaat 20

<210> 21

96700-1146 seq list.ST25.txt

<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 21
ccggacctaa tccctcactc

20

<210> 22
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 22
cacaccgatg cagctttcta

20

<210> 23
<211> 21
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 23
aaaggaaccc cacgaagtgt t

21

<210> 24
<211> 22
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 24
tcaagggcat atcctacaac aa

22

<210> 25
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 25
acgatgctgg gtcaggtatc

20

<210> 26
<211> 20
<212> DNA
<213> Artificial

96700-1146 seq list.ST25.txt

```

<220>
<223> primer

<400> 26
agtgactagg gcgctgtggt                20

<210> 27
<211> 22
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 27
gggttccttag aagtggatgc gc                22

<210> 28
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 28
tgggactaat cttcggcatt                20

<210> 29
<211> 21
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 29
cgatgaggag tttcgggatg t                21

<210> 30
<211> 21
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 30
tttctggggg ctctgtggac t                21

<210> 31
<211> 25
<212> PRT
<213> Homo sapiens

<400> 31

```

96700-1146 seq list.ST25.txt

Cys Ala Ile Tyr Arg Ser Glu Ile Ile Ser Thr Ala Pro Ser Ser Trp
1 5 10 15

Val Val Pro Gly Pro Ser Pro Asn Glu
20 25

<210> 32
<211> 17
<212> PRT
<213> Homo sapiens

<400> 32

Arg Ser Glu Ile Ile Ser Thr Ala Pro Ala Ser Ala Val Ala Pro Gly
1 5 10 15

Pro

<210> 33
<211> 17
<212> PRT
<213> Homo sapiens

<400> 33

Arg Ser Glu Ile Ile Ser Thr Ala Pro Trp Ser Ser Val Val Pro Gly
1 5 10 15

Pro

<210> 34
<211> 17
<212> PRT
<213> Homo sapiens

<400> 34

Arg Ser Glu Ile Ile Ser Thr Ala Pro Ser Ser Trp Val Val Pro Gly
1 5 10 15

Pro